

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	155	(terahara with takafumi).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/08 21:01
S2	149	(terahara with takafumi).in. and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/08 21:01
S3	60	S2 and branch\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/08 21:01
S4	25	("5414548"   "5625478"   "5745612"   "5748811"   "5760934"   "5771112"   "5812709"   "5815489"   "5867289"   "5903371").PN. OR ("6061157"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/11/08 21:22
S5	29	("5488500"   "5612805"   "5712717"   "5712932"   "5748811"   "5771112"   "5778118"   "5822095"   "5915051"   "5940197"   "5974207"   "6002503"   "6035080"   "6038045"   "6061157"   "6061484"   "6069719"   "6084694").PN. OR ("6219474"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/11/08 21:35
S6	5	directional optical branch\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/11/09 08:05
S7	1633	(optical branch\$3 or star (coupler or coupling)) and (wavelength division multiplex\$ or WDM)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/11/08 21:39
S8	625	optical branch\$3 and (wavelength division multiplex\$ or WDM)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/11/08 21:39
S9	161	S8 and directional	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/11/08 21:40
S10	0	three directional with optical wiht branch\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/11/09 08:06

## EAST Search History

S11	1	three directional with optical with branch\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/11/09 08:11
S12	2	("5044715").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 08:48
S13	76	(optical branching with coupling device).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 08:50
S14	60	(optical branching with coupling device with optical fiber).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 08:52
S15	2	("5917365").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 12:15
S16	3	("6400490").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 08:56
S17	31	optical star coupler and wdm and directional	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 11:22
S18	9	("4821255"   "4873681"   "5043975").PN. OR ("5208692").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/11/09 09:05
S19	14	("4641371"   "4809362"   "4821255"   "4873681").PN. OR ("5043975").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/11/09 09:14
S20	0	optical star splitter and wdm and directional	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 09:59
S21	372	(398/5 or 398/63).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 11:24

## EAST Search History

S22	80	(398/5 or 398/63).ccls. and (multiplex\$ and demultiplex\$) and monitor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 12:48
S23	2	("20020196489").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 12:07
S24	2	("6452701").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 12:07
S25	16	("3803405"   "4449247"   "5369515"   "5493432"   "5500756"   "5510931"   "5539557"   "5633741"   "5861967"   "5923453"   "6023366"   "6097736").PN. OR ("6452701").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/11/09 12:08
S26	13	("4799797"   "4900119"   "5050952"   "5627927"   "5680235"   "5778118").PN. OR ("5861967").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/11/09 12:11
S27	2	("5208692").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 15:47
S28	106	(398/33-63 or 398/94 or 398/160 or 398/197).ccls. and (multiplex\$ and demultiplex\$) and (monitor or controller) and (VOA or VAT or variable optical attenuator or amplifier) and (branch\$3 or star) and (photodiode or photodetector or PD) and wdm	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 21:36
S29	6	S28 and optical spectrum analyzer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 18:11
S30	14	S28 and OSA	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 12:29

## EAST Search History

S31	11	S30 not S29	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 12:49
S32	89	(multiplex\$ and demultiplex\$) and (monitor or controller) and (VOA or VAT or variable optical attenuator) and amplifier and (photodiode or photodetector or PD) and wdm and (OSA or optical spectrum analyzer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 12:46
S33	86	S32 and (coupler or tap)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 12:46
S34	83	S33 not S22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 12:48
S35	83	S34 not S31	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 13:35
S36	2	("20040190896").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 13:36
S37	50	cascad\$3 near2 (multiplex\$3 or demultiplex\$3) and "398".clas. and branch\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 16:44
S38	0	cascad\$3 two (multiplex\$3 or demultiplex\$3) and "398".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 17:33
S39	85	(optical spectrum (analyzer or monitor) or OSA) and (variable optical attenuator or VOA or VAT) and (controller or control section) and "398".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 18:38

## EAST Search History

S40	2	("20030058497").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 19:52
S41	6	S39 and (attenuator or VOA or vat) near amplifier	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 19:55
S42	12	S32 and (attenuator or VOA or vat) near amplifier	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 21:02
S44	2	("6452701").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 21:02
S45	2	("20030058497").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 21:30
S46	2	("6574424").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 21:31
S47	2	("6731424").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 21:32
S48	2	("6754411").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 21:32
S49	136	(398/9 or 398/30 or 398/180 or 385/24 or 359/110 or 359/127 or 359/337).ccls. and (multiplex\$ and demultiplex\$) and (monitor or controller) and (VOA or VAT or variable optical attenuator or amplifier) and (branch\$3 or star) and (photodiode or photodetector or PD) and wdm	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/09 21:37



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- |                    |  |
|--------------------|--|
| <a href="#">#1</a> | (optical star coupler and wdm<IN>metadata)                   |
| <a href="#">#2</a> | (three directional optical coupler<IN>metadata)              |
| <a href="#">#3</a> | (three directional optical coupling<IN>metadata)             |
| <a href="#">#4</a> | (three directional optical coupling<IN>metadata)             |
| <a href="#">#5</a> | (three directional optical branching<IN>metadata)            |
| <a href="#">#6</a> | (three directional optical branching<IN>metadata)            |
| <a href="#">#7</a> | ((optical star coupler and wdm and directional)<in>metadata) |



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